

CLAIM AMENDMENTS

1. (previously presented) A composition comprising the product prepared by heating together:

(a) a dispersant and

(b) 2,5-dimercapto-1,3,4-thiadiazole or a hydrocarbyl-substituted 2,5-dimercapto-1,3,4-thiadiazole which is substantially insoluble in a hydrocarbon oil of lubricating viscosity at 25°C, and further either

(c) a borating agent or

(d) an inorganic phosphorus compound, or both (c) and (d),

said heating being sufficient to provide a reaction product of (a), (b), and (c) or (d) which is soluble in said hydrocarbon oil at 25°C.

2. (previously presented) The composition of claim 1 wherein the dispersant is a succinimide dispersant.

3. (previously presented) The composition of claim 1 wherein the dispersant is a Mannich dispersant.

4. (currently amended) The composition of claim 1 wherein the dispersant is an ester-containing dispersant.

5. (previously presented) The composition of claim 1 wherein the dispersant is a viscosity modifier containing dispersant functionality.

6. (previously presented) The composition of claim 1 wherein component (b) is 2,5-dimercapto-1,3,4-thiadiazole.

7.(currently amended) The composition of claim 1 wherein component (b) is a hydrocarbyl-substituted ~~2,5-dimercapto-1,3,4-thiadiazole~~ 2,5-dimercapto-1,3,4-thiadiazole wherein the hydrocarbyl group or groups contain a total of less than about 8 carbon atoms.

8. (previously presented) The composition of claim 1 wherein the borating agent is an inorganic borating agent.

9. (previously presented) The composition of claim 1 wherein the borating agent is boric acid.

10. (previously presented) The composition of claim 1 wherein the inorganic phosphorus compound is phosphoric acid, phosphorous acid or an anhydride thereof.

11. (currently amended) The composition of claim 1 wherein both the borating agent and the inorganic phosphorus ~~acid or anhydride compound~~ compound have been heated with the ~~remaining components~~ dispersant and the 2,5-dimercapto-1,3,4-thiadiazole or hydrocarbyl-substituted 2,5-dimercapto-1,3,4-thiadiazole.

12. (currently amended) The composition of claim 1 wherein [[the]] components (a), (b), and either (c) or (d) or both (c) and (d) have been heated together at about 80 to about 200°C for at least about 0.5 hours.

13. (currently amended) The composition of claim 1 wherein [[the]] components (a), (b), and either (c) or (d) or both (c) and (d) have reacted as evidenced by the evolution of H<sub>2</sub>S or H<sub>2</sub>O.

14. (currently amended) The composition of claim 1 wherein [[the]] components (a), (b), and either (c) or (d) or both (c) and (d) are heated together in a hydrophobic medium.

15. (previously presented) The composition of claim 14 wherein the hydrophobic medium is an oil of lubricating viscosity.

16. (currently amended) The composition of claim 15 wherein the oil of lubricating viscosity is retained in the composition ~~of matter~~.

17. (previously presented) The composition of claim 1 wherein the relative amounts, by weight, of components (a), (b), (c), and (d), prior to heating, are about 100 of (a): (0.75 to 6 of (b)) : (0 to 7.5 of (c)) : (0 to 7.5 of (d)), provided that the relative amount of (c) + (d) combined is at least about 0.075.

18. (previously presented) The composition of claim 1 wherein the relative amounts, by weight, of components (a), (b), (c), and (d), prior to heating, are about 100 of (a): (1.5 to 3 of (b)) : (0 to 4.5 of (c)) : (0 to 4.5 of (d)), provided that the relative amount of (c) + (d) combined is at least about 1.5.

19. (currently amended) The composition of claim 1 wherein the ~~composition~~ reaction product comprises about 0.5 to about 2.5 percent by weight S derived from component (b) and either about 0.2 to about 0.6 percent by weight B from component (c), or about 0.3 to about 1.1 percent by weight P from component (d), or said amounts from both components (c) and (d), on an oil free basis.

20. (previously presented) A composition comprising an oil of lubricating viscosity and the reaction product of claim 1.

21. (previously presented) The composition of claim 20 wherein the amount of the reaction product is about 0.5 to about 90 percent by weight of the composition.

22. (currently amended) The composition of claim 21 wherein the amount of the reaction product ~~composition within the oil-containing composition~~ is about 0.5 to about 5 percent by weight.

23. (currently amended) The composition of claim 21 wherein the amount of the reaction product ~~composition within the oil-containing composition~~ is about 20 to about 90 percent by weight.

24. (previously presented) A method for lubricating a mechanical device, comprising supplying thereto the composition of claim 20.

25. (previously presented) The method of claim 24 wherein the mechanical device is an internal combustion engine.

26. (previously presented) The method of claim 24 wherein the mechanical device is an automatic transmission.

27. (new) A method for preparing a composition comprising heating together:

(a) a dispersant and

(b) 2,5-dimercapto-1,3,4-thiadiazole or a hydrocarbyl-substituted 2,5-dimercapto-1,3,4-thiadiazole which is substantially insoluble in a hydrocarbon oil of lubricating viscosity at 25°C, and further either

(c) a borating agent or

(d) an inorganic phosphorus compound, or both (c) and (d),

said heating being sufficient to provide a reaction product of (a), (b), and (c) or (d) which is soluble in said hydrocarbon oil at 25°C.